

Dredge Sugar Island Project Name/Location:		Contract Number: W9127N-05-C-0012					
Columbia River Channel Improvement - RM 95+00-104+20.							
Date: 12/04/2005							
Disposal Load Number 1487 Tidal Stage Ebb Dredge State: Split Hull Weather: Foggy Wind: 0-5 kts Seas: 0-1' Disposal location Columbia River RM 101	Sample Point	Depth (ft)	Time	X Coordinate	Y Coordinate	Turbidity (NTU)	DO (Mg/L)
	DSP-1	21.0	8:09:06	7622743.40	735876.87	1.4	
	DSP-2	19.5	8:17:57	7622573.36	735741.81	17.8	14.7
	DSP-2R1	19.7	8:18:04	7622573.53	735747.88	14.1	14.7
	DSP-3	19.2	8:18:54	7622798.09	735699.03	5.3	
	DSP-3R1	19.3	8:18:57	7622798.26	735705.10	5.2	
	DSP-4	18.9	8:20:29	7622543.05	736636.34	15.2	
	DSP-4R1	20.2	8:20:32	7622538.96	736642.53	11.6	
Remarks:				Action Taken:			
DSP-2 exceeded 10% over background, taken in the plume.				Re-test DSP-2R1 was taken.			
DSP-4 exceeded 10% over background, taken in the plume.				Re-test DSP-4R1 was taken.			
DSP-3 exceeded 10% over background, taken out of plume,				Re-test DSP-3R1 was taken.			
on port side.				The disposal ended and the dredge moved away from the area.			
Sample Point Key	All Tests Conducted With YSI 6600					Turbidity Compliance	DO Compliance
DSP-1	Background - 100' Up Current, Within 600-Foot of Channel					OR WA WA	OR, WA Not Required Not Required
DSP-2	100' Down Current						
DSP-3	150' Radially from point of dredge (Port or Starboard)						
DSP-4	900' Down Current from point of dredging						
Rx	Indicates a Re-Test where (x) is the Re-Test number for that particular point						



Great Lakes Dredge & Dock Company, LLC

Phone Log: Unsafe Environmental Monitoring Conditions

Contact Hierarchy

MCR Recorded Message:	360.642.3565
USCG Watch Stander:	360.642.2382 or Marine Radio Channel 13
Columbia River Bar Pilot (Sea to Astoria)	503.325.2641 or Marine Radio Channel 13
Columbia River Pilot (Astoria to Portland)	503.289.9922 or Marine Radio Channel 13
Lynn Nietfeld	630.258.3909
David Casebeer	214.906.6142
Keith Puro	262.455.5074

Persons Involved

Dredge Captain
Launch Operator
Water Monitor
GLDD Supervisor
USACE Staff
Third Party

Captain Howard Howry
Dave Paradelas
Tim O'Hara
Lynn Nietfeld
Al Onkka at the Columbia River Pilot

~ 0720

Location Information

Date
Load
Crewboat
Test Location

12/4/05
1487
Rogue River
95+00 to 104+20

Criteria In Question

Visibility
Wind
Wave Height
Current
Precipitation
Tide

Dense Fog

Decision

(Circle One)

Dredge Captain	Safe	<u>Unsafe</u>
Launch Operator	Safe	Unsafe
Third Party	Safe	Unsafe
Action Taken	Dredging Stopped	<u>Dredging Continues</u>

Action Authorized By

Lynn Nietfeld

David Casebeer

Keith Puro

Notes

Capt. Howry told ~~Rogue~~ Rogue River Boat Operator Dave Paradelas that there was very thick fog in the Dig Area. Also, there was very thick fog throughout most of the river at 6:30am. Visibility at about 300 ft. Rogue River stood by at dock until fog eased. Al Onkka at the Columbia River Pilot Office was contacted for 3rd Party confirmation. Mr Onkka agreed that it was indeed very foggy on the river.

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Date: 12/04/2005							
Dredging <u>Load Number</u> 1488 <u>Tidal Stage</u> Ebb <u>Dredge State:</u> Overflow through skimmers only <u>Weather:</u> Foggy <u>Wind:</u> 0-5 kts <u>Seas:</u> 0-1' <u>Disposal location</u> Columbia River RM 101	Sample Point	Depth (ft)	Time	X Coordinate	Y Coordinate	Turbidity (NTU)	DO (Mg/L)
	DR-1	20.2	9:04:20	7623097.16	755163.23	7.8	
	DR-2	19.6	9:05:43	7622971.74	755701.75	23.3	14.2
	DR-2R1	19.7	9:05:47	7622971.91	755707.82	23.1	14.4
	DR-4	19.5	9:07:03	7623241.39	756356.85	9.5	
	DR-4R1	20.0	9:07:07	7623245.81	756362.81	9.3	
	DR-3	20.4	9:09:40	7623202.87	755135.94	17.2	
	DR-3R1	21.6	9:09:43	7623203.04	755142.02	14.1	
Remarks:				Action Taken:			
DR-2 exceeded 10% over background, taken in the plume.				Re-test DR-2R1 was taken.			
DR-4 exceeded 10% over background, taken in the plume.				Re-test DR-4R1 was taken.			
DR-3 exceeded 10% over background, taken out of plume, on port side.				Re-test DR-3R1 was taken.			
				The dredge moved away from the area while continuing dredging to avoid further increasing the turbidity at the location where the exceedence was measured. The dredge coordinates were marked on the GPS screen to insure no further dredging occurred at the location where the exceedence was measured.			
Sample Point Key	All Tests Conducted With YSI 6600					Turbidity Compliance	DO Compliance
DR-1	Background - 100' Up Current, Within 600-Foot of Channel					OR WA WA	OR, WA Not Required Not Required
DR-2	100' Down Current						
DR-3	300' Radially from point of dredge (Port or Starboard)						
DR-4	900' Down Current from point of dredging						
Rx	Indicates a Re-Test where (x) is the Re-Test number for that particular point						

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Date: 12/04/2005							
Dredging <u>Load Number</u> 1489 <u>Tidal Stage</u> Ebb <u>Dredge State:</u> Overflow through skimmers only <u>Weather:</u> Foggy <u>Wind:</u> 0-5 kts <u>Seas:</u> 0-1' <u>Disposal location</u> Columbia River RM 101	Sample Point	Depth (ft)	Time	X Coordinate	Y Coordinate	Turbidity (NTU)	DO (Mg/L)
	DR-1	20.8	10:49:12	7622590.64	753353.59	8.5	
	DR-2	19.7	10:50:45	7622380.60	753760.74	17.3	13.8
	DR-2R1	20.2	10:50:48	7622380.77	753766.82	16.6	13.8
	DR-4	19.3	10:52:12	7622568.15	754199.20	10.5	
	DR-4R1	19.3	10:52:16	7622568.15	754199.20	10.0	
	DR-3	20.2	10:54:33	7622427.82	752409.76	15.6	
	DR-3R1	19.9	10:54:36	7622432.25	752415.71	14.5	
Remarks:				Action Taken:			
DR-2 exceeded 10% over background, taken in the plume.				Re-test DR-2R1 was taken.			
DR-4 exceeded 10% over background, taken in the plume.				Re-test DR-4R1 was taken.			
DR-3 exceeded 10% over background, taken out of plume,				Re-test DR-3R1 was taken.			
on port side.				The dredge moved away from the area while continuing dredging to avoid further increasing the turbidity at the location where the exceedence was measured. The dredge coordinates were marked on the GPS screen to insure no further dredging occurred at the location where the exceedence was measured.			
Sample Point Key	All Tests Conducted With YSI 6600					Turbidity Compliance	DO Compliance
DR-1	Background - 100' Up Current, Within 600-Foot of Channel					OR WA WA	OR, WA Not Required Not Required
DR-2	100' Down Current						
DR-3	300' Radially from point of dredge (Port or Starboard)						
DR-4	900' Down Current from point of dredging						
Rx	Indicates a Re-Test where (x) is the Re-Test number for that particular point						

Dredge Sugar Island Project Name/Location: Contract Number: W9127N-05-C-0012							
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Date: 12/04/2005							
Dredging <u>Load Number</u> 1490 <u>Tidal Stage</u> Ebb <u>Dredge State:</u> Overflow through skimmers only <u>Weather:</u> Overcast <u>Wind:</u> 0-5 kts <u>Seas:</u> 0-1' <u>Disposal location</u> Columbia River RM 101	Sample Point	Depth (ft)	Time	X Coordinate	Y Coordinate	Turbidity (NTU)	DO (Mg/L)
	DR-1	20.3	12:10:37	7623249.71	755894.57	10.4	
	DR-2	17.7	12:11:39	7623087.71	756229.11	14.0	14.0
	DR-2R1	19.3	12:11:42	7623087.71	756229.11	13.5	14.2
	DR-4	20.2	12:12:55	7623228.80	756667.26	12.3	
	DR-4R1	20.5	12:12:58	7623233.40	756679.29	12.3	
	DR-3	19.7	12:15:04	7623179.37	755057.57	9.2	
Remarks:				Action Taken:			
DR-2 exceeded 10% over background, taken in the plume.				Re-test DR-2R1 was taken.			
DR-4 exceeded 10% over background, taken in the plume.				Re-test DR-4R1 was taken.			
DR-3 taken out of plume on starboard side.							
				The dredge moved away from the area while continuing dredging to avoid further increasing the turbidity at the location where the exceedence was measured. The dredge coordinates were marked on the GPS screen to insure no further dredging occurred at the location where the exceedence was measured.			
Sample Point Key	All Tests Conducted With YSI 6600					Turbidity Compliance	DO Compliance
DR-1	Background - 100' Up Current, Within 600-Foot of Channel					OR WA WA	OR, WA Not Required Not Required
DR-2	100' Down Current						
DR-3	300' Radially from point of dredge (Port or Starboard)						
DR-4	900' Down Current from point of dredging						
Rx	Indicates a Re-Test where (x) is the Re-Test number for that particular point						

Dredge Sugar Island Project Name/Location:		Contract Number: W9127N-05-C-0012					
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Date: 12/04/2005							
Dredging Load Number 1491 Tidal Stage Ebb Dredge State: Overflow through skimmers only Weather: Overcast Wind: 0-5 kts Seas: 0-1' Disposal location Columbia River RM 101	Sample Point	Depth (ft)	Time	X Coordinate	Y Coordinate	Turbidity (NTU)	DO (Mg/L)
	DR-1	20.2	13:33:51	7623292.56	754993.60	4.9	
	DR-2	17.5	13:35:23	7623281.53	755662.66	16.7	13.8
	DR-2R1	17.1	13:35:26	7623285.95	755668.61	16.2	14.0
	DR-4	20.2	13:36:40	7623446.15	756369.34	17.3	
	DR-4R1	20.6	13:36:43	7623446.49	756381.49	17.4	
	DR-3	19.1	13:39:11	7623392.82	754923.91	7.0	
	DR-3R1	20.9	13:39:14	7623392.82	754923.91	6.0	
Remarks:				Action Taken:			
DR-2 exceeded 10% over background, taken in the plume.				Re-test DR-2R1 was taken.			
DR-4 exceeded 10% over background, taken in the plume.				Re-test DR-4R1 was taken.			
DR-3 exceeded 10% over background, taken out of plume, on port side.				Re-test DR-3R1 was taken.			
				The dredge moved away from the area while continuing dredging to avoid further increasing the turbidity at the location where the exceedence was measured. The dredge coordinates were marked on the GPS screen to insure no further dredging occurred at the location where the exceedence was measured.			
Sample Point Key	All Tests Conducted With YSI 6600					Turbidity Compliance	DO Compliance
DR-1	Background - 100' Up Current, Within 600-Foot of Channel					OR WA WA	OR, WA Not Required Not Required
DR-2	100' Down Current						
DR-3	300' Radially from point of dredge (Port or Starboard)						
DR-4	900' Down Current from point of dredging						
Rx	Indicates a Re-Test where (x) is the Re-Test number for that particular point						

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Date: 12/04/2005							
Dredging Load Number 1492 Tidal Stage Ebb Dredge State: Overflow through skimmers only Weather: Overcast Wind: 0-5 kts Seas: 0-1' Disposal location Columbia River RM 101	Sample Point	Depth (ft)	Time	X Coordinate	Y Coordinate	Turbidity (NTU)	DO (Mg/L)
	DR-1	21.0	15:02:08	7623599.14	755599.03	3.5	
	DR-2	22.1	15:04:00	7623483.75	756040.00	10.5	13.9
	DR-2R1	23.1	15:04:04	7623484.09	756052.14	10.2	13.9
	DR-4	20.0	15:05:21	7623585.21	756620.78	11.9	
	DR-4R1	20.0	15:05:24	7623585.38	756626.86	11.8	
	DR-3	20.7	15:08:46	7623774.80	755028.71	11.7	
	DR-3R1	20.7	15:08:49	7623774.80	755028.71	11.3	
Remarks:				Action Taken:			
DR-2 exceeded 10% over background, taken in the plume.				Re-test DR-2R1 was taken.			
DR-4 exceeded 10% over background, taken in the plume.				Re-test DR-4R1 was taken.			
DR-3 exceeded 10% over background, taken out of plume, on port side.				Re-test DR-3R1 was taken.			
				The dredge moved away from the area while continuing dredging to avoid further increasing the turbidity at the location where the exceedence was measured. The dredge coordinates were marked on the GPS screen to insure no further dredging occurred at the location where the exceedence was measured.			
Sample Point Key	All Tests Conducted With YSI 6600					Turbidity Compliance	DO Compliance
DR-1	Background - 100' Up Current, Within 600-Foot of Channel					OR WA WA	OR, WA Not Required Not Required
DR-2	100' Down Current						
DR-3	300' Radially from point of dredge (Port or Starboard)						
DR-4	900' Down Current from point of dredging						
Rx	Indicates a Re-Test where (x) is the Re-Test number for that particular point						